



PN - JP8014642 A 19960119
 PD - 1996-01-19
 PR - JP19940146149 19940628
 OPD - 1994-06-28
 TI - (A)

AIR CONDITIONER

AB - (A)
 PURPOSE: To completely discharge contaminated matter, form a temperature formation layer in a room, and extend a clean and comfortable air conditioning environment not only in an interior zone but also to a perimeter zone. CONSTITUTION: There are provided a floor member 6 arranged at a lower portion in a room 1 and having many air supply holes 6a over the entire surface thereof, an air supply chamber 7 formed at a lower portion of the floor member 6, an exhaust chamber 9 formed at an upper portion in the room 1, and a partition member 19 provided in the air supply chamber 7 corresponding to a boundary between an interior zone 1 in the room 1 and a perimeter zone P in the room 1. There are further provided a first air supply exchanger 7A partitioned with the partition member 19 for the interior zone and a second air supply chamber 7B partitioned with the partition member 19 for the perimeter zone, and an air conditioner 13A connected with the first and second air supply chambers 7A, 7B. Air is supplied into the room at an ultra-low air velocity from the air supply holes 6a.

IN - (A)
 TAKEBAYASHI YOSHIHISA; FUTAKI KOICHI; IWAHASHI MOTOYUKI; NOBE TATSUO; HAGA YOICHI

PA - (A)
 SHIMIZU CONSTRUCTION CO LTD

IC - (A B2)
 F24F13/068; F24F3/00; F24F13/02

CLASSIFICATION

TI - Air-conditioning unit - has partition material provided to segregate interior design zone and brim meter zone of supply chamber in order to regulate temp. of air supply by ventilator to supply chamber

PR - JP19940146149 19940628
 PN - JP3293009B2 B2 20020617 DW200242 F24F13/068 005pp

- JP8014642 A 19960119 DW199613 F24F13/068 006pp

PA - (SHMC) SHIMIZU CONSTR CO LTD

IC - F24F3/00; F24F13/02; F24F13/068

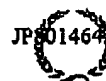
AB - J08014642 The unit includes a floor part material (6) consisting of several supply holes (6a) set in the lower part of a chamber (1). A supply chamber (7) is formed below the floor part material, while an exhaust chamber (9) is formed in the upper part of the chamber.
 - A partition material (19) is provided to separate the interior design zone and the brim meter zone of the supply chamber. A first supplying chamber (7A) of the interior design zone is connected to a second supplying chamber (7B) of the brim meter zone. A ventilator (13A, 13B) supplies cool air to the first and second supplying chamber. Then, the air enters to the chamber through the supply holes.
 - ADVANTAGE - Maintains clean and pleasant air-conditioned environment by providing partition material. Prevents entry of water in window surface during winter. Decreases architectural cost by lowering height of supplying chamber.

- (Dwg. 1/5)

OPD - 1994-06-28



AN - 119290 [13]



INVESTOR IN PEOPLE

PN - JP8014642 A 19960119
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 AP - JP19940146149 19940628
 IN - TAKEBAYASHI YOSHIHISA; others: 04
 PA - SHIMIZU CORP
 TI - AIR CONDITIONER
 AB - PURPOSE: To completely discharge contaminated matter, form a temperature formation layer in a room, and extend a clean and comfortable air conditioning environment not only in an interior zone but also to a perimeter zone.
 - CONSTITUTION: There are provided a floor member 6 arranged at a lower portion in a room 1 and having many air supply holes 6a over the entire surface thereof, an air supply chamber 7 formed at a lower portion of the floor member 6, an exhaust chamber 9 formed at an upper portion in the room 1, and a partition member 19 provided in the air supply chamber 7 corresponding to a boundary between an interior zone 1 in the room 1 and a perimeter zone P in the room 1. There are further provided a first air supply exchanger 7A partitioned with the partition member 19 for the interior zone and a second air supply chamber 7B partitioned with the partition member 19 for the perimeter zone, and an air conditioner 13A connected with the first and second air supply chambers 7A, 7B. Air is supplied into the room at an ultra-low air velocity from the air supply holes 6a.
 I - F24F13/068 ;F24F3/00 ;F24F13/02